

APPENDIX B

Errors found on Detroit Edison's daily impingement
data sheets (IDS) and test screenwell tally sheets
(listed by sampling date).

This is not an exhaustive list. All the daily impingement data sheets for the nontest screens were checked, but the tally sheets (for the fish on the test screens and the fish pumped into the holding pool) were checked for only 20 of the 164 test screenwell sampling days. On these 20 days, we found 22 discrepancies between the data recorded on the tally sheets and the data summarized on the daily impingement data sheets.

Data sheets for 9-24-75, 11-26-75, 4-1-76, and 4-2-76 are included as examples. * = corrections made by GLFL.

- 6-19-75: 4 channel catfish are not entered in total column on IDS for non-test screens.
- 6-24-75: 4 shad are not recorded in total column on IDS for non-test screens; 2 alewives counted in pool were not recorded on IDS for test screens.
- 6-26-75: Shiner total on IDS for non-test screens equals 328, not 344.
- 7-8-75: The number of shiners counted in pool equals 419, not 424.
- 7-16-75: The IDS for non-test screens should list 1 logperch in the total column instead of 1 rock bass. 1 trout perch counted in pool was not recorded on IDS. 3 trout-perch and 1 sunfish counted on test screens were not recorded on IDS. The shad counted in pool equal 1020, not 1050; those counted on test screens equal 345 not 245.
- 8-14-75: Shad total on IDS for non-test screens equals 796, not 836.
- 9-9-75: 1 trout-perch was counted on test screens, not 2 as recorded on IDS; 1 logperch was counted on test screens, but it was not recorded on IDS; white bass counted on test screens total 358, not 338.
- 9-23-75: White bass total on IDS for non-test screens is 373, not 353.
- 9-24-75: Yellow perch total on IDS for non-test screens is 147, not 113; white bass total for non-test screens is 220, not 202.
- 9-25-75: White bass total on IDS for non-test screens is 326 instead of 361; shad total for non-test screens is 279, not 259.
- 9-26-75: White bass counted on test screens total 52, not 51.
- 10-7-75: Drum counted on test screens total 28, not 27.

- 10-14-75: Yellow perch total on IDS for non-test screens equals 81, not 80; shad total equals 291, not 651.
- 10-29-75: Drum total on IDS for non-test screens equals 98, not 88.
- 11-4-75: Perch total on IDS for non-test screens is 37, not 36; alewife total is 89, not 88; shad total is 357, not 362.
- 11-11-75: 10 channel catfish and 1 smallmouth bass were not recorded in total column on IDS for non-test screens; smelt total is 9, not 56; walleye total is 34, not 11; logperch total is 17, not 5.
- 11-13-75: 1 gar and 19 smallmouth bass were not entered in total column on IDS for non-test screens; white bass total equals 13 instead of 16; smelt total is 204, not 222.
- 11-14-75: Smallmouth total on IDS for non-test screens is 7, not 4.
- 11-18-75: Shad total on IDS for non-test screens is 189, not 269.
- 11-26-75: Shad total on IDS for non-test screens is 398 instead of 298.
- 12-3-75: Perch total on IDS for non-test screens equals 340, not 190; northern pike total equals 4, not 1; crappie total equals 4, not 1; and shad total equals 8860, not 6940.
- 12-11-75: 1 channel catfish was not recorded in total column on IDS for non-test screens.
- 1-23-76: Shiner total on IDS for non-test screens is 560, not 520.
- 1-27-76: 1 northern pike was not recorded in total column on IDS for non-test screens.
- 2-12-76: 2 smelt were not recorded in total column on IDS for non-test screens.
- 3-10-76: Goldfish total on IDS for non-test screens is 26, not 27.

- 3-23-76: Perch total on IDS for non-test screens is 52, not 50.
- 4-1-76: 85 trout perch counted in pool and 39 counted on test screens were not recorded on IDS for test screens; the number of shiners counted in pool equals 652, not 552.
- 4-2-76: 1 bowfin counted in pool was not recorded on IDS for test screens; the number of shad counted in pool equals 273, not 43.
- 4-7-76: 1 lamprey counted in pool and 1 white bass counted on screens were not recorded on IDS for test screens.
- 4-8-76: Alewife total on IDS for non-test screens is 182, not 184; 2 sunfish were not recorded in total column on IDS for non-test screens.
- 4-9-76: 155 shad were not recorded in total column on IDS for non-test screens.
- 4-14-76: 445 shiners were counted in the pool, not 425.
- 4-15-76: 28 trout-perch were counted in the pool, not 30.
- 4-16-76: 34 shad were counted on the test-screens, not 25.
- 4-20-76: Smelt total on IDS for non-test screens is 41, not 9.
- 4-21-76: 63 perch were counted in pool, not 64 as recorded on IDS for test screens.
- 5-4-76: Alewife total on IDS for non-test screens (Screenhouse 1) is 44 not 43; 1 walleye was not recorded in total column (Screenhouse 2).
- 5-25-76: Alewife total on IDS for non-test screens is 22, not 21.
- 5-27-76: Shad total on IDS for non-test screens (Screenhouse 2) is 65, not 60.

[illegible]

SCREEN COUNT: 1 - _____
2 - _____
3 - _____
4 - _____

AIR TEMP - _____ C
TURBIDITY - _____ cm
BAR. PRESS. - _____
WIND - _____
WEATHER CONDITIONS - _____

CLAC. TUNPS ON:

UNIT 1
3UNIT 2
2UNIT 3
3UNIT 4
3

* Yellow perch total = 147, not 113.

** White bass total = 220, not 202.

Daily Impingement Data Sheet for Non-Test Screens

[illegible]

CONTENTS:

SCREEN COUNT: 1 - _____
2 - _____
3 - _____
4 - _____

AIR TEMP - _____ C
TURBIDITY - _____ cm
BAR. PRESS. - _____
WIND - _____
WEATHER CONDITIONS - _____

CIRC. 70075 ON:

UNIT 1

UNIT 2

UNIT 3

UNIT 4

Shad total = 398, not 298

4-2-76

NIS collectors
950 RPM

$$V_{in} \quad \sqrt{E} \quad \angle 3.$$

Detroit Edison
4/2/76

Daily Impingement Data Sheet for Test Screens

| Species | Golden Diver | Jaeger Greenback | Total | Percent Diver | W. Killip % Diver | Percent Total |
|----------------|-----------------|---------------------|-------|------------------|----------------------|------------------|
| Yellow Perch | 106 | 16 | 116 | 91.37 | 9 | 87.92 |
| Striped Bass | 43 | 33 | 126 | 39.12 | 9 | 27.77 |
| Shad | 1536 | 192 | 1628 | 91.53 | 2 | 91.41 |
| Goldfish | 13 | 9 | 17 | 76.47 | 0 | 76.47 |
| Brook Trout | 5 | 2 | 7 | 71.43 | 0 | 71.43 |
| White Bass | 1 | 0 | 1 | 100 | 0 | 100 |
| Bass | 2 | 0 | 2 | 100 | 0 | 100 |
| White Crayfish | | | | | | |
| Bullhead | 2 | 0 | 2 | 100 | 0 | 100 |
| Carp | 1 | 0 | 1 | 100 | 0 | 100 |
| Alewife | 6 | 7 | 13 | 46.15 | 2 | 30.76 |
| Rock Bass | | | | | | |
| Log Perch | 1 | 1 | 2 | 50 | 0 | 50 |
| Trout Brook | 55 | 11 | 66 | 86.36 | 0 | 86.36 |
| Channel Cat | 1 | 1 | 2 | 50 | 0 | 50 |
| Golden Shiner | 1 | 0 | 1 | 100 | 0 | 100 |
| | | | | | | |
| Total | 1809 | 300 | 2109 | 85.71 | 16 | 85.25 |

DATE 9-3-76 DUCK 0.400 WATER TEMP 15°C FLYING NO

SYSTEM OPERATING Net Computer

Pool cover

*Tally sheet shows that the number of shad counted in pool totals 273, not 43.

*1 bowfin counted in pool is not recorded on daily impingement data sheet.

Pool Tally Sheet

[illegible]